

UTAH DEPARTMENT OF HEALTH

COVID-19 Surveillance in Utah

Overview

Risk Factors & Exposures

Hospitalizations

Demographics

Incidence and Epidemic Curve

Cases are interviewed by public health to determine what potential medical risk factors they may have had prior to getting COVID-19. This is not a complete list of conditions and rates may change as public health collects more data and performs additional analysis. Examples of persons with compromised immune systems include those with cancer and transplant patients who are taking certain immunosuppressive drugs, persons with HIV/AIDS, and those with inherited diseases that affect the immune system. Examples of persons with chronic pulmonary conditions include those with uncontrolled asthma or COPD.

Pre-Existing Conditions of All Cases

| Pre-Existing Condition | Yes  | No   | Unknown | Percent with Condition, Excluding Unknowns |
|------------------------|------|------|---------|--|
| Any Condition          | 1694 | 2050 | 2876    | 45.2%                                      |
| Other                  | 526  | 3269 | 2825    | 13.9%                                      |
| Former Smoker          | 516  | 3115 | 2989    | 14.2%                                      |
| Chronic Pulmonary      | 429  | 3491 | 2700    | 10.9%                                      |
| Diabetes               | 369  | 3534 | 2717    | 9.5%                                       |
| Cardiovascular         | 293  | 3552 | 2775    | 7.6%                                       |
| Current Smoker         | 202  | 3587 | 2831    | 5.3%                                       |
| Neurologic             | 175  | 3627 | 2818    | 4.6%                                       |
| Immunocompromised      | 172  | 3631 | 2817    | 4.5%                                       |
| Chronic Kidney         | 91   | 3733 | 2796    | 2.4%                                       |
| Chronic Liver          | 44   | 3768 | 2808    | 1.2%                                       |

Pre-Existing Conditions of All Cases (tooltip shows the percent among all cases, including unknowns)

Any Condition

Other

Former Smoker

Chronic Pulmonary

Diabetes

Cardiovascular

Current Smoker

Neurologic

Immunocompromised

Chronic Kidney

Chronic Liver

0%25%50%75%100%

Percent

Unknown

No

Yes

Pre-Existing Conditions of Hospitalized Cases

| Pre-Existing Condition | Yes | No  | Unknown | Percent with Condition, Excluding Unknowns |
|------------------------|-----|-----|---------|--|
| Any Condition          | 303 | 111 | 139     | 73.2%                                      |
| Diabetes               | 126 | 282 | 145     | 30.9%                                      |
| Other                  | 119 | 266 | 168     | 30.9%                                      |
| Cardiovascular         | 96  | 299 | 158     | 24.3%                                      |
| Former Smoker          | 72  | 288 | 193     | 20%  |
| Chronic Pulmonary      | 71  | 332 | 150     | 17.6%                                      |
| Neurologic             | 45  | 336 | 172     | 11.8%                                      |
| Immunocompromised      | 44  | 327 | 182     | 11.9%                                      |
| Chronic Kidney         | 43  | 342 | 168     | 11.2%                                      |
| Current Smoker         | 18  | 358 | 177     | 4.8%                                       |
| Chronic Liver          | 14  | 365 | 174     | 3.7%                                       |

Pre-Existing Conditions of Hospitalized Cases (tooltip shows the percent among all cases, including unknowns)

Any Condition

Diabetes

Other

Cardiovascular

Former Smoker

Chronic Pulmonary

Neurologic

Immunocompromised

Chronic Kidney

Current Smoker

Chronic Liver

0%25%50%75%100%

Percent

Unknown

No

Yes

Potential Exposures

Exposures are determined through LHD and UDOH case investigations. Each case is mapped to a single "primary exposure". Please note that some cases have multiple potential exposures, so cases are mapped to exposures in the following order: 1) Known close contact to a confirmed case, 2) Travel in the past 14 days, 3) Healthcare (either through being a healthcare worker, patient, or visitor in a healthcare setting), 4) In-state transmission with no known contacts, 5) Under investigation. In-state transmission with no known contacts is defined as a patient with no known out of state travel, close contacts, or healthcare exposures. These exposures are commonly referred to as community spread or community transmission.

Known exposures are further broken down by type (green pie chart). "Social" refers to exposures between friends and acquaintances; "Other" refers to known contact with a lab confirmed case outside of home, work, and social settings; "Unspecified" is known contact to a confirmed case but without enough information to determine the setting of that exposure. Exposure categories are not all encompassing and may change as public health collects more data and updates analysis.

Primary Exposures by Week

Count

900

600

300

0

Mar

Apr

May

Week End Date

Potential Exposures

Healthcare

In-state Without Known Contact

Known Contact

Travel

Unknown / Under Investigation

Primary Investigated Exposures

| Exposure                       | Count | Percent |
|--------------------------------|-------|---------|
| Healthcare                     | 130   | 2%      |
| In-state Without Known Contact | 1052  | 15.9%   |
| Known Contact                  | 4113  | 62.1%   |
| Travel                         | 213   | 3.2%    |
| Unknown / Under Investigation  | 1112  | 16.8%   |

Type of Known Contact

| Known Contact Type | Count | Percent |
|--------------------|-------|---------|
| Household          | 2446  | 59.5%   |
| Other              | 26    | 0.6%    |
| Social             | 1011  | 24.6%   |
| Unspecified        | 439   | 10.7%   |
| Workplace          | 191   | 4.6%    |

Type of Known Contact

Household

Social

Unspecified

Workplace

Other

Household 59.5%

Social 24.6%

Unspecified 10.7%

Workplace 4.6%

Other 0.6%

RESOURCES

Business

Child care

Community resources

Cultural non-profit Resources

Education

Individuals & families

Health care providers

Local Health Dept. Resources

Mental Health

Preparedness resources

Recreation

Testing locations

Ways to help: donate

CONTACT & PRESS RELEASES

Media resources

OFFICIAL

State and local orders and directives

Utah COVID-19 Response Storymap

UTAH.GOV

UTAH.GOV TERMS OF USE

UTAH.GOV PRIVACY POLICY

UTAH.GOV ACCESSIBILITY POLICY

TRANSLATE UTAH.GOV